

STRUCTURE OF A LIGHT-CATALYST EQUIPPED ELECTRIC FAN

ABSTRACT

5 A light-catalyst equipped electric fan includes an adjustable holding part, a light tube secured to the holding part for producing ultraviolet light, a first motor disposed behind the holding part, a fan blade connected with the first motor, a second motor, a filtering honeycomb having titanium dioxide applied over it, and two joined protecting nets
10 arranged at a front of the electric fan, and connected with an output shaft of the second motor; the filtering honeycomb is disposed between the protecting nets, and stuck on a rear side of a front one of the nets; thus, when the motors and the light tube are activated, air will pass through the filtering honeycomb, and ultraviolet light will shine on the titanium
15 dioxide, and in turns, air passing through the filtering honeycomb is purified, and germs in the air killed.